

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1-26. (Canceled)
27. (Currently amended) A food product comprising:
- (a) a microorganism of the genus *Mortierella* sect. *schmuckeri*, lipids recovered from said microorganism or mixtures thereof; and
 - (b) a food material,
- wherein at least about 21.9% of the total fatty acid of a biomass of said *Mortierella* sect. *Schmuckeri* is arachidonic acid, and wherein said *Mortierella* sect. *schmuckeri* is capable of producing at least about 0.7 grams of arachidonic acid per liter per day.
28. (Previously presented) The food product of Claim 27, wherein said food material comprises animal food.
29. (Previously presented) The food product of Claim 27, wherein said food material comprises human food.
30. (Previously presented) The food product of Claim 27, wherein said *Mortierella* sect. *schmuckeri* is of the species *Mortierella schmuckeri*.
31. (Previously presented) The food product of Claim 27, wherein said *Mortierella* sect. *schmuckeri* is of the species *Mortierella camargensis*.
32. (Previously presented) The food product of Claim 27, wherein said food product has a total fatty acid content in which up to about 20% by weight of total fatty acids is arachidonic acid.
33. (Previously presented) The food product of Claim 27, wherein said food product has a total fatty acid content in which up to about 10% by weight of total fatty acids is arachidonic acid.
34. (Previously presented) The food product of Claim 27, wherein said food product has a total fatty acid content in which between about 0.1% and about 1.0% by weight of total fatty acids is arachidonic acid.

35. (Previously presented) The food product of Claim 27, wherein said food material comprises an infant food material.

36. (Previously presented) The food product of Claim 27, wherein said food product is selected from the group consisting of infant formula and baby food.